

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/998,938	11/30/2001	Avraam I. Isayev	UA411	5914

7590 03/08/2004
GEORGE W. MOXON II, ESQUIRE
ROETZEL & ANDRESS
222 SOUTH MAIN STREET
AKRON, OH 44308

EXAMINER

HENDRICKSON, STUART L

ART UNIT PAPER NUMBER

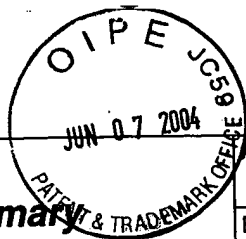
1754

MAR 11 2004

DATE MAILED: 03/08/2004



Please find below and/or attached an Office communication concerning this application or proceeding.



Office Action Summary

Application No.

098938

Applicant(s)

Isayev

Examiner

Herbickson

Group Art Unit

1164

—The MAILING DATE of this communication appears on the cover sheet beneath the correspondence address—

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, such period shall, by default, expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

Status

- ☒ Responsive to communication(s) filed on 4/12/02
- ☐ This action is **FINAL**.
- ☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

- ☒ Claim(s) 1-14 is/are pending in the application.
- ☐ Of the above claim(s) 4-14 is/are withdrawn from consideration.
- ☐ Claim(s) _____ is/are allowed.
- ☒ Claim(s) 1-3 is/are rejected.
- ☐ Claim(s) _____ is/are objected to.
- ☒ Claim(s) 1-14 are subject to restriction or election requirement.

Application Papers

- ☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.
- ☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.
- ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.
- ☐ The specification is objected to by the Examiner.
- ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119 (a)-(d)

- ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- ☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been received.
- ☐ received in Application No. (Series Code/Serial Number) _____.
- ☐ received in this national stage application from the International Bureau (PCT Rule 1.7.2(a)).

*Certified copies not received: _____

Attachment(s)

- ☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____
- ☒ Notice of Reference(s) Cited, PTO-892
- ☐ Notice of Draftsperson's Patent Drawing Review, PTO-948
- ☐ Interview Summary, PTO-413
- ☐ Notice of Informal Patent Application, PTO-152
- ☐ Other _____

Office Action Summary

Art Unit: 1754

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-3, drawn to making pitch, classified in class 208, subclass 43.
- II. Claims 4-9, to making a molding, classified in class 264, subclass 29.1.
- III. Claim 10, drawn to a product, classified in class 208, subclass 39.
- IV. Claims 11-14, to making fibers, classified in class 423, subclass 447.6.

The inventions are distinct, each from the other because:

Inventions I and II are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because of the alternate language of the claims. The subcombination has separate utility such as a filler or roadmaking material.

Inventions III and the others are at best related as process of making and product made. If so, the inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case the product can be made by using BF3 and distillation and solvent extraction.

Inventions I and IV are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention I has separate utility such as a filler or in roadmaking. See MPEP § 806.05(d).

Inventions II and IV, if related, are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention II has separate utility such as making a filler. See MPEP § 806.05(d).

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

During a telephone conversation with Mr. Moxon on 2/24/04 a provisional election was made with traverse to prosecute the invention of Group I, claims 1-3. Affirmation of this election must be made by applicant in replying to this Office action. Claims 4-14 are withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

Art Unit: 1754

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-3 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Korai article.

The reference teaches on pg. 2 and 3 mixing pitches followed by heating. No difference is seen, as the temperature is the same as claimed. Even though the reference does not explicitly teach inert atmosphere, it is implied by the reference.

Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Korai taken with Tamaki 5494567.

Korai does not explicitly require inert atmosphere, however Tamaki does in a similar process. Using inert atmosphere in the process of Korai is an obvious expedient to avoid oxidation and loss of the pitch.

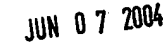
Claims 1 and 3 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Tamaki.

Tamaki teaches in ex. 12 mixing pitches and heat soaking. Although inert gas is not explicitly recited in this passage, it is inferred by the teachings of the specification, which recites that this step is done in inert gas.

Any inquiry concerning this communication should be directed to examiner Hendrickson at telephone number (571) 272-1351.



Stuart Hendrickson
examiner Art Unit 1754



Form PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Rev. 8-83) PATENT AND TRADEMARK OFFICE

SERIAL NO.
09/998,938

APPLICANT
Isayev and Choi

(Use several sheets if necessary) APR 12 2002

GROUP
1732

U.S. PATENT DOCUMENTS

RECEIVED
APR 16 2002
TC 1700

FOREIGN PATENT DOCUMENTS

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

SUN

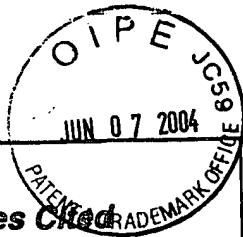
Y. Korai, *et al.*, Preparation of Mesocarbon Microbeads By Dispersing Mesophase Pitch In Isotropic Pitches Carbon Vol. 35, No. 10-11, pp. 1503-1515, 1997

EXAMINER

DATE CONSIDERED _____

2/24/04

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**Notice of References Cited**

Application No.

998938

Applicant(s)

Examiner

Hendrickson

Group Art Unit

175

Page 1 of 1

U.S. PATENT DOCUMENTS

*	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
A	594567	2/96	Kamakura	208	44
B					
C					
D					
E					
F					
G					
H					
I					
J					
K					
L					
M					

FOREIGN PATENT DOCUMENTS

*	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
N						
O						
P						
Q						
R						
S						
T						

NON-PATENT DOCUMENTS

*	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
U		
V		
W		
X		

* A copy of this reference is not being furnished with this Office action.
(See Manual of Patent Examining Procedure, Section 707.05(a).)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of

AVRAAM I. ISAYEV, et al.

Serial No. 09/998,938

Filed November 30, 2001

For CARBONIZED PITCH MOLDINGS
PREPARED FROM SYNTHETIC
MESOPHASE PITCH AND HEAT-
SOAKED ISOTROPIC PITCH

) Examiner: Hugh Henderson

) Group Art Unit 1732

) **CERTIFICATE OF MAILING**
) **VIA FIRST CLASS MAIL**

) I hereby certify that the following correspondence was
) deposited with the United States Postal Service as First Class
) Mail in an envelope addressed to: Mail Stop NON-FEE
) AMENDMENT, Commissioner for Patents, P. O. Box 1450,
) Alexandria, VA 22313-1450, on June 3, 2004.

) Rebecca Daugintis
) Rebecca Daugintis, Sec'y to George W. Moxon, II

TRANSMITTAL SHEET

Enclosed are the following documents:

Amendment in Response to Office Action

Copy of Office Action Mailed March 8, 2004

Return Receipt Postcard

AUTHORIZATION TO CHARGE DEPOSIT ACCOUNT

The Director is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment to Deposit Account No. 50-0959 (089498-0411).

Respectfully submitted,

George W. Moxon II
George W. Moxon II, Reg. No. 26,615

Roetzel & Andress

222 South Main Street

Akron, Ohio 44308

Telephone: (330) 376-2700

Facsimile: (330) 376-4577

E-mail: gmoxon@ralaw.com

Attorney for Applicant(s)

June 3, 2004

1174800_1/089498.0411